

Quanterra Incorporated 13715 Rider Trail North Earth City, Missouri 63045

314 298-8566 Telephone 314 298-8757 Fax

#### CERTIFICATE OF ANALYSIS

Bechtel Hanford Incorporated 3350 George Washington Way Richland, Washington 99352

September 3, 1996

Attention: Joan Kessner

Project number

Date Received by Lab

Number of Samples Sample Type

SDG Number

Data Deliverable

550.165

August 19, 1996

Two (2)

Soil

W01125

Summary



On August 19, 1996, two (2) soil samples were received by Quanterra, Richland and transferred to Quanterra, St. Louis for chemical analysis. Upon receipt, the samples were given the following laboratory ID numbers to correspond with the specific client ID's:

St Louis ID	WHC ID	Richland ID	Matrix	Date of Receipt
11872-001	BOJ068	60824601	Soil	08/19/96
11872-002	BOJ069	60824602	Soil	08/19/96

### II. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits.

Analyses requested: ICAP metals by EPA 6010 and Mercury by EPA 7470 following TCLP

extraction by EPA method 1311.



Bechtel Hanford Incorporated September 3, 1996 Project Number: 550.165

SDG: W01125

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### III. Quality Control

A Laboratory Control Sample and Method Blank were analyzed with each preparation batch. Matrix Spike and Matrix Spike Duplicate analyses were performed per the protocol for each analyte.

#### IV. Definitions

The following codes are used to denote laboratory quality control samples and can be found in the data summary section of this report:

QCBLK- Quality Control Blank, Method Blank QCLCS- Quality Control Laboratory Control Sample, Blank Spike

#### V. Comments

### Shipping and Receiving

There are no comments or nonconformances associated with the shipping and receiving of these samples.

#### Metals

There weren no comments or nonconformances associated with these analyses.



Bechtel Hanford Incorporated September 3, 1996

Project Number: 550.165

SDG: W01125

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I certify that this certificate of analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Wade H. Price

Project Manager

e:\\price\$\abbydave\hanw1125.coa



Project: 550.165

Category : TCLP Mercury Matrix : SOLID

Client ID: B0J068

Sample Date : 08/16/96 Receipt Date : 08/19/96 Report Date : 08/30/96

Quanterra ID : 11872-001

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Mercury	EPA 7470	08/28/96	08/29/96	08/29/96	0.00010	HG/L	υ	0.00020	0.20	1



Project: 550.165

Sample Date : 08/16/96 Receipt Date : 08/19/96 Report Date : 08/30/96

Quanterra ID : 11872-001MS

Category : TCLP Mercury Matrix : SOLID

Client ID: B0J068

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Regulatory Level	Dilution
Mercury	EPA 7470	08/28/96	08/29/96	08/29/96	92	XREC		 	1



Project: 550.165

Category : TCLP Mercury Matrix : SOLID

Client ID: B0J068

Sample Date : 08/16/96 Receipt Date : 08/19/96 Report Date : 08/30/96

Quanterra ID : 11872-001MSD

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Dilution
Mercury	EPA 7470	08/28/96	08/29/96	08/29/96	91	*REC			1



Project: 550.165

Category : TCLP Mercury Matrix : SOLID

Client ID: B0J069

Sample Date : 08/16/96 Receipt Date : 08/19/96 Report Date : 09/03/96

Quanterra ID : 11872-002

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Mercury	EPA 7470	08/28/96	08/29/96	08/29/96	0.00010	MG/L	U	0.00020	0.20	1

Quanterra August 28, 1996 09:41 am

Account: 10722 Project: 550.165 Quanterra-Richland QAS No. 550.165 Rev. 0

Master Sample Login: 482

Project Manager: W. Price

Draft: Final:

Sample Header Template:

Sample No. Client ID	C-Matrix	Date: Collected	Received Due	Shipper Rad	Category Rad Sample No.
# Container Type Data:	Analysis	Class Preservative	Anal. Due Date Hold Da	te Site	(Container Numbers:% Filled)
11872-001 B0J068 RICHLAND I.D. 60824601	Soil	16-AUG-96 10:18	19-AUG-96 10:10 02-SEP-96	FED-EX 1	Screening not Required
1 AN - Amber Glass-500ml	EXTRETAL/TCLP/Q4	S COLD	30-AUG-96 13-SEP-	96 T6C	(243816:100)
1	HG/TCLP/Q4	s cold	30-AUG-96 13-SEP-	96 T6C	(243816:100)
11872-001MS B0J068 RICHLAND I.D. 60824601	Soil	16-AUG-96 10:18	19-AUG-96 10:10 02-SEP-96	PED-EX 1	Screening not Required
1 AN - Amber Glass-500ml	EXTMETAL/TCLP/Q4	s COLD	30-AUG-96 13-SEP-	96 T6C	(243816:100)
1	HG/TCLP/Q4	S COLD	30-AUG-96 13-SEP-	96 T6C	(243816:100)
11872-001MSD B0J068 RICHLAND I.D. 60824601	soil	16-AUG-96 10:18	19-AUG-96 10:10 02-SEP-96	PED-EX 1	Screening not Required
1 AN - Amber Glass-500ml	EXTMETAL/TCLP/Q4	s COLD	30-AUG-96 13-SEP-	96 T6C	(243816:100)
1	HG/TCLP/Q4	s COLD	30-AUG-96 13-SEP-	96 T6C	(243816:100)
11872-002 B0J069 RICHLAND I.D. 60824602	Soil	16-AUG-96 10:20	19-AUG-96 10:10 02-SEP-96 1	PED-EX 2	Screening not Required
1 AN - Amber Glass-500ml	EXTMETAL/TCLP/Q4	s cold	30-AUG-96 13-SEP-	96 T6C	(243817:100)
1	hg/TCLP/Q4	s cold	30-AUG-96 13-SEP-	96 T6C	(243817:100)

Temp 2'c cuett 1712.

Chain of Custody
Record

JO ST LOUID



QUA-4124-1 Project Manager Chain Of Custody Number 8-19-96 Telephone Number (Area Code)/Fax Number Address Спу See Contact Analysis (Attach list if Zip Code Lab Contact more space is needed) Camer/Waybill Number Project Name Special Instructions/ Conditions of Receipt Containers & Matrix Preservatives NaOT Sample I.D. No. and Description Sed. Soil Date Time (Containers for each sample may be combined on one line) Possible Hazard Identification (A fee may be assessed if samples are retained Return To Client Unknown Non-Hazard . Flammable . Skin Irritant . Poison B Archive For Disposal By Lab Months Jonger than 3 months) QC Requirements (Specify) Turn Around Time Required 14 Days 1 21 Days 1 Other Dul 9-396 3 Received By 3 Relinquished By Comments

Bechtel Hanford, Inc.		CHA	AIN OF CUSTO	DY/SAI	MPLE .	ANALYSI	S REQ	UEST			Date Turner	ound Priority	
Collector	· <del></del>		Company Contact					Telephone	<b>a</b>		1	•	
Project Designation			Scott Pe	191501	4			372	9574	<u></u>	15 64	Normal A bit k	
Project Designation			Sampling Location					SAF No.					
160 D Pouds			100 D French						6-177				
loe Chest No.			Field Logbook No.					Method o	Shipment				
MABEN SML-51	<u>/</u>		EL-1309						ling/Air Bill	Verel)			
Shipped To			Offsite Property No.					NA.	iing/Air Bill	NO.			
Quenterra Possible Sample Hazards/Remar		<del></del>		<u> </u>	<del></del>	<del></del>	<del></del>	1 17 17	<del>`</del> -	T	<del></del>	<del></del> -	
Poseine Sample Hazaida/Nemiai	`•		Preservation	None	<u> </u>		<u> </u>		<u> </u>	<u> </u>			
			Type of Container	٩٥	<u> </u>		<u> </u>						
		<del>"</del>	No. of Container(s)	1									
Special Handling and/or Storage		<del></del>	Volume	500mL									
		SD	Ži.	RLP					1				
SAMPLE 608	246	WO	L 11125	Mocery	·								
		e Sempled	Time Sampled		·	· ·	· · · · · ·		, 163488837.16 <sup>1</sup>		1		133
BOT 068	5 8.10	6.96	1018	<u> </u>			<u> </u>						
1307069	5 5.1	6-96	1020	<u>  ×                                  </u>	<u>.</u> ]		<u> </u>		<u> </u>	<u> </u>			ļ 
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			<u> </u>	<u> </u>	l cocol	L LUCTOUS	10115		<u> </u>		]]	Matrix*	
CHAIN OF POSSESSION		Sign/Print N	ismes	<u></u>	1	AL INSTRUCT	IUNS					S = Sel SE = Sed	Nment
Relinquished By Di IR Is Noce Relinquished By Buthton Relinquished By Di	te/Time 1306 8-1h:96 te/Time 1010 /	Received By	Button Stands Determine	me 1 <b>390</b> 3-16-96 me 1010 3-19-91				·				SO = Solid SL = Skat W = Wat O = Oil A = Air DS = Dru	ige ter
					no p	ECPAL						DL = Dru T = Test WI = Wip	rn tiquida Kua Sa
Relinquished By D	ite/Time	Received By	Date/Ti	ime								V = Uqu V = Veg X = Oth	petation
LABORATORY Received E	У	<u> </u>	Title							Date/Time			
FINAL SAMPLE Disposal N	ethod		<del></del>	0	isposed i	Зу	, · <u>u</u>	,	i	Date/Time			

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<u>~~</u>

#### VALIDATED RESULTS SHORT REPORT

19 Aug 1996

Customer ID: BOJ068 Sample Date: 08/16/96 00:00 Lab Sample#: S96E001016 Recv. Date: 08/16/96 12:40

PARAMETER RESULTS UNITS

Total Activity by LSC

Total Activity by LSC (Solid)

< 7.74e-6

uCi/g

Customer ID: BOJ069 Sample Date: 08/16/96 00:00 Lab Sample#: S96E001017 Recv. Date: 08/16/96 12:40

PARAMETER RESULTS · UNITS

Total Activity by LSC

Total Act. by LSC: \* Uncert. 10.6 \*Uncertainty

1 -

#### SAMPLE RECEIPT VARIANCE REPORT

WORK ORI	DER NUMBER:		DATE INITIATED: 8-19-96						
INITIATED	BY: Saxin Sh	Heil	urg	<del>/</del>		701 (	9		
DATE/TIME	E OF SAMPLE (AND/OR I	RFA & CO	C) RECE	EPT:					
_<	STO69	RFA/C	OC NU	MBERS	ANALYS	S REQUESTED			
Samples w	ere received with the fol	lowing def	ficiencia	s:					
□ 1. Not	enough sample received for pr	oper analysis	ı. <b>::</b> 7.	Holding time	exceeded at rec	eipt.			
□ 2. Serr	aple received without proper pr	eservative.	<b>G</b> &	Custody tape	broken.				
□ 3. No s	sample received in container.		<b>0</b> s.	COC not relin	iquished by clien	t.			
☐ 4. Sam	ple received without a RFA/CC	C form.	<b>□ 10.</b>			iner does not meto k (Explain below).	h sample		
□ 5. No s	sample ID on container.		□11.	with shipmer		ers) on waybill not red	received		
□ 6. Serr	nple received broken or leaking.	•	<b>A</b> 12	Other (Explai	n below).		•		
NOTES:_	no Soxien	. VI	<u>.</u> [	- Frao	t out o	of Mexico	uel		
SUPERVISO	OR REVIEW:								
PROJECT I	MANAGER REVIEW:		· ·	<u></u>	·	<u></u>	<u></u>		
TELEPHON	ED TO:		_ON_	8,	Y				
TELEFAXE	D TO:	SINAL MUST	ON_	B UNED IN WOR	YK ORDER FILE				
FORM NO	D. <u>LS-023, 3/92, Re</u>	v. 0		`					

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# B

# Figure 1

# SAMPLE CHECK-IN LIST

(1 Per Shipping Centament

Date	e/Time Received _	8-19-96 1010	Client Name _	BHI
Pro;	ject/Client # <u></u>	396-177	Batch or Case	1
Caa	ler ID (if noted	on outside of cooler	r) <u>S</u>	ML-519
	•			
1.	Condition of ship	oping container?		1, 1
		cooler intact? Ye	_	]
3.	Custody Seals da	ted and signed? Yes	s [×] No []	
4.	Chain of Custody	record is taped on	inside of coo	ler lid? Yes [] No [}
5.	Vermiculite/pack	ing material is: We	et[] Dry [}	ſ
6.	Each sample is i	n a plastic bag? Ye	es [X] No [ ]	
7.	Number of sample	containers in coole	er:	2.7
8.	Samples have:	tape		hazard labels
		custody se	eals	appropriate sample labels
9.	Samples are:	- in good co	ondition	leaking
,	•	broken		have air bubbles
		other		
10.	Coolant Present?	Yes [ No [ ] Sa	ample Temperat	ure 4°C
11.	The following pay	perwork should be a	ccounted for (	N/A if not applicable):
	Chain of Custody	#(s) <u>n/4</u>		
	Request for Analy	/.		
	Airbill #		Carrier	1761
12.	•	es been identified a		
				ified above? Yes
		,		2 Date/Time <u>\$-19-96</u> 100
		3:		



F	1000
<b>~</b> -·	BWJ RB
	8-25-96
	13:00
B:	m

Login No.: //872

# Condition Upon Receipt Variance Report St. Louis Laboratory

Shipp	er/No	Chland 530.165  Feo Ex 218-5975 346  Variance (Check all that apply):	D In R	ate:@ itiat	ed b	10-96 Time: 09:15  ny: 2rel Muthet  Numbers: 54485
· 1.						· ···
1. 2.		Sample received broken/leaking.  Sample received without proper preservative.	8.			Sample ID on container does not match sample ID on paperwork. Explain:
	_	☐ Cooler temperature not within 4℃ ± 2.	~			on paperwork. Explain.
		Record temperature:				
					α.	All coolers on airbill not received with shipmens.
					<u> </u>	•
3.	п	Sample received in improper container.	10	•	_	Other (explain below):
<i>j</i> .		Sample received without proper paperwork. Exp	.leie.			:
7.	_	Sample received without proper paperwork. Exp	MARI:			
5.		Paperwork received without sample.				
6.		No sample ID on sample container.				
7.		Custody tape disturbed/broken/missing.				
Notes:		variances were noted during sample receipt.	Cooler Te	n per	ratu	re Upon Receipt: 2 E
Corre	ctive	Action:				
	(	Client's Name:	nformed verbally	on:		Ву:
	(	Client's Name;	nformed in writin	ig on	: _	By:
	:	Sample(s) processed "as is".				
	;	Sample(s) on hold until:			_ If	released, notify:
		nazol Supervisor Review: (or Geriesse) Irelanagement Review:	Malike	0		Pale: 8-23-96

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

SL-ADMIN-0004, Revised 11/24/95



#### CERTIFICATE OF ANALYSIS

Bechtel Hanford Incorporated 3350 George Washington Way Richland, Washington 99352

September 7, 1996

Attention: Joan Kessner

Project number : 550.165

Date Received by Lab : August 19, 1996

Number of Samples : Two (2)
Sample Type : Soil
SDG Number : W01125

Data Deliverable : Summary

#### I. Introduction

On August 19, 1996, two (2) soil samples were received by Quanterra, Richland and transferred to Quanterra, St. Louis for chemical analysis. Upon receipt, the samples were given the following laboratory ID numbers to correspond with the specific client ID's:

St Louis ID	WHC ID	Richland ID	<u>Matrix</u>	Date of Receipt
11872-001	BOJ068	60824601	Soil	08/19/96
11872-002	BOJ069	60824602	Soil	08/19/96

### II. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits.

Analyses requested: ICAP metals by EPA 6010 and Mercury by EPA 7470 following TCLP

extraction by EPA method 1311.

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Bechtel Hanford Incorporated September 7, 1996 Project Number: 550.165

SDG: W01125

Page 2

### III. Quality Control

A Laboratory Control Sample and Method Blank were analyzed with each preparation batch. Matrix Spike and Matrix Spike Duplicate analyses were performed per the protocol for each analyte.

#### IV. Definitions

The following codes are used to denote laboratory quality control samples and can be found in the data summary section of this report:

QCBLK- Quality Control Blank, Method Blank QCLCS- Quality Control Laboratory Control Sample, Blank Spike

#### V. Comments

#### Shipping and Receiving

There are no comments or nonconformances associated with the shipping and receiving of these samples.

#### Metals

There weren no comments or nonconformances associated with these analyses.





Bechtel Hanford Incorporated September 7, 1996

Project Number: 550.165

SDG: W01125

Page 3

I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

///ade/N

Wade H. Price Project Manager

e:\\price\$\abbydave\hanw1125.nar

00004

Quanterra August 28, 1996 09:41 am

Account: 10722 Project: 550.165 Quanterra-Rightand OAS No. 550.165 Rev. 0

Master Sample Login: 148

Project Manager:

Final:

Entered and Reviewed by:

Sample H	leader	Template:
----------	--------	-----------

Sample No. Client Comments # Container Type Data:	ID C-Matrix Analysis	Date: Collected  Class Preservativ	Received Due Shipp re Anal. Due Date Hold Date S		Sample No. Numbers: Filled)
11872-001 B0J068 RICHLAND I.D. 60824601	soil	16-ADG-96 10:18	19-AUG-96 10:10 02-SEP-96 FED-1	EX 1 Scr	eening not Required
1 AN - Amber Glass-500ml	eximetal/tclp/Q4 hg/tclp/Q4	S COLD	30-AUG-96 13-SEP-96 TO 30-AUG-96 13-SEP-96 TO	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- ·
11872-001MS B0J068 RICHLAND I.D. 60824601	Soil	16-ADG-96 10:18	19-ADG-96 10:10 02-SEP-96 PED-1	EX 1 Scr	eening not Required
1 AN - Amber Glass-500ml 1	EXTMETAL/TCLP/Q4 HG/TCLP/Q4	s cold	30-AUG-96 13-SEP-96 TG 30-AUG-96 13-SEP-96 TG	,-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
11872-001MSD B0J068 RICHLAND 1.D. 60824601	soil	16-AUG-96 10:18	19-AUG-96 10:10 02-SEP-96 FED-1	EX 1 Scr	eening not Required
1 AN - Amber Glass-500ml	extmetal/tclp/Q4 Hg/Tclp/Q4	s cold	30-AUG-96 13-SEP-96 TG 30-AUG-96 13-SEP-96 TG		•
11872-002 B0J069 RICHLAND I.D. 60824602	Soil	16-AUG-96 10:20	19-AUG-96 10:10 02-SEP-96 FED-1	EX 2 Scr	eening not Required
1 AN - Amber Glass-500ml	eximetal/TCLP/Q4 HG/TCLP/Q4	s cold	30-AUG-96 13-SEP-96 TG 30-AUG-96 13-SEP-96 TG		-

Temp 2'c cue# 7722.
Chain of Custody & St LOUIS Chain of Custody Record Environmental Services QUA-4124-1 Project Manager Chain Of Custody Number Page City State Zo Code Site Contact Lab Contact Analysis (Attach list if more space is needed) Camer.Waybe Number Project Name Special Instructions/ Contract/Purchase Order/Quote No. Conditions of Receipt Containers & Matrix Preservatives Sample I.D. No. and Description Sed. Soil Date Time (Containers for each sample may be combined on one line) Possible Hazard Identification (A fee may be assessed if samples are retained Return To Client. Disposal By Lab. Archive For Non-Hazard Flammable Skin Irritant Poison B.... Wunknown, Months-longer-than 3 months) Turn Around Time Required QC Requirements (Specify) 3 Relinquished By 3 Received By

Comments

Bechtel Hanford, Inc. CH	AIN OF CUSTO	•		LYSIS R	EQUEST			of	<u> </u>
Collector	Company Contact				Telephon			Priority	ļ
Project Designation	Scott Pe	HOUSEL			372	9574	15 de	Normal	1
Project Designation	2 subside rocation				SAF No.				
160. D Pauls	100 D Frand				1390	6.177			
lee Chest No.  NA BU SML-519  Shipped to	Field Logbook No.				Method o	f Shipment			
NA BW SML-819	154-1309	; 			1 tanc	Delive	red		]
Shipped to	Offsite Property No.				Bill of Lac	ling/Air Bili No.			
Quanterra	NA	· · · · · · · · · · · · · · · · · · ·		<del></del>	NA.	<del>`</del>		<del></del>	
Possible Sample Hazards/Remarks	Prescryation	None							
	Type of Container	٩٥							
	No. of Container(s)	\$							
Special Handling and/or Storage	Volume	SOUNL							
SAMPLE ANALYSIS WC	XL 11125	Morery							
Sample No.   Matrix*   Date Sampled	Time Sampled	3.11	<u></u>		l				* ************************************
BOJ 068 5 8.16.96	1018	x							
\$50.7069 S 8.16.96	1020	x/							
		11/							
		100%							
	<u> </u>	11.0012						<del></del>	
								1	<del></del>
CHAIN OF POSSESSION Sign/Print		<u> </u>	SPECIAL INS	TRUCTIONS		<del></del>	<del></del>	Metrix* S = Sell SE = Sedic	ners
Relinquished By Date/Time 30s Received By Relinquished By Date/Time 1010 Received By Relinquished By Date/Time Received By Received By Relinquished By Date/Time Received By	the Button Date /	ime 1390 8-16-96 ime 1010 2-19-96						SO = Solid SL = Sludg W = Wate O = Oil A = Air DS = Drum DL = Drum	pa M n Selida
			no RECP.	,, _				T - Taeu	.,
Relinquished By Date/Time Received By	Date/T	III)@						t = Liquis V = Vege X = Other	itation ir
LABORATORY Received By SECTION	Title	<del> </del>	<del></del>		<del></del>	Date	/Time		
FINAL SAMPLE Disposal Method Disposition		Di	sposed By		747	Date	/Time		

### VALIDATED RESULTS SHORT REPORT

19 Aug 1996

Customer ID: BOJ068 Sample Date: 08/16/96 00:00 Recv. Date: 08/16/96 12:40 Lab Sample#: S96E001016

PARAMETER RESULTS UNITS -----

Total Activity by LSC

Total Act. by LSC: \* Uncert. 10.2 \*Uncertainty

< 7.45e-6 Total Activity by LSC (Solid) uCi/g

Sample Date: 08/16/96 00:00 Recv. Date: 08/16/96 12:40 Customer ID: BOJ069 Lab Sample#: S96E001017

PARAMETER RESULTS · UNITS Total Activity by LSC

Total Act. by LSC: \* Uncert. 10.6 \*Uncert Total Activity by LSC (Solid) < 7.74e-6 uCi/g \*Uncertainty

#### SAMPLE RECEIPT VARIANCE REPORT

WORK ORDER NUMBER:		DATE INITIATED: 8-19-96
INITIATED BY: Sann Soften	lurg	7010 <del>-</del>
DATE/TIME OF SAMPLE (AND/OR RFA & C	COC) RECI	EIPT:
CLIENT SAMPLE NUMBER RFA	V/COC NU	MBERS ANALYSIS REQUESTED
BOJ068		
B6T069		
Samples were received with the following of	deficiencie	s:
1. Not enough sample received for proper enal	ysis.[] 7.	Holding time exceeded at receipt.
2. Sample received without proper preservative	. Ga	Custody tape broken.
☐ 3. No sample received in container.	<b>□</b> \$.	COC not relinquished by client.
☐ 4. Sample received without a RFA/COC form.	<b>□ 10.</b>	Sample information on container does not match sample information on the paper work (Explain below).
☐ 5. No sample ID on container.	<b>□ 11.</b>	All shipping containers (coolers) on waybill not received with shipment.  RFA/COC received  RFA/COC not received
☐ 6. Sample received broken or leaking.		Other (Explain below).
NOTES: 10 Some 14	ial	- Fook out of Munuel
SUPERVISOR REVIEW:		
PROJECT MANAGER REVIEW:	<del> </del>	
TELEPHONED TO:	ON	BY
TELEFAXED TO:	ON	BYUNED IN WORK ORDER FILE
		•
FORM NO. <u>LS-023, 3/92, Rev. 0</u>		<del></del>

# Figure 1

# SAMPLE CHECK-IN LIST

Date	e/Time Received	8-19-96 1010	Client Name	BHI
Pro,	ject/Client # <u>£</u>	396-177	Batch or Case	
Coo	ler ID (if noted o	on outside of coole	er) <i>S</i> /?	7L-519
			_	V
1.	Condition of ship	ping container? _	0,	<u>/</u> /
2.	Custody Seals on	cooler intact?	res [X] No []	
3.	Custody Seals dat	ed and signed? Ye	[] ON [ <sup>X</sup> ] 25	
4.	Chain of Custody	record is taped on	inside of coole	r lid? Yes [] No []
5.	Vermiculite/packi	ing material is: k	iet [ ] Dry [	
6.	Each sample is in	a plastic bag? \	(es [ ] No [ ]	
7.	Number of sample	containers in cool	ler:	2.7
8.	Samples have:	tape		hazard labels
		custody s	seals _	appropriate sample labels
9.	Samples are:	in good o	condition _	leaking
•	)	broken	_	have air bubbles
		other		_
10.	Coolant Present?	Yes [\(\frac{1}{2}\)] No [ ] S	Sample Temperatur	e 4°C
				A if not applicable):
	Chain of Custody			
	Request for Analy			
	Airbill #	7	Carrier	1761
12.	•	es been identified		No [X]
				ied above? Yes
		_		Date/Time <u> 8-19-96</u>
		•	33	



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<b>~</b> ·	BWY RB
·	25-96
, , ,	13:00
Br2	m

Login No.: //872

# Condition Upon Receipt Variance Report St. Louis Laboratory

Shi <del>pper</del> /No	Echland 530.165 0: Feo Ex 218-5975 346 Variance (Check all that apply):	Initia	ted b	20-96 Time: 09:15  Dy: 2rel Milhel  Numbers: 54485
1. □ 2. □	Sample received broken/leaking.  Sample received without proper preservative.	8.	□	Sample ID on container does not match sample ID on paperwork. Explain:
	Cooler temperature not within 4-C ±			
	Record temperature:			
	□ pH		α.	All coolers on airbill not received with shipment.
3. 🗆	Sample received in improper container.	10.		Other (explain below):
4.	Sample received in improper container.  Sample received without proper paperwork. E.	xplain:		
5. 🗆	Paperwork received without sample.	<del></del>		
6. 🗆	No sample ID on sample container.		1	
7. 🗆	Custody tape disturbed/broken/missing.			
Notes:	o variances were noted during sample receipt.	Cooler Tempe	rata	re Upon Receipt: 2.6
Corrective	Action:			
	Client's Name:	Informed verbally on:		Ву:
	Client's Name:	Informed in writing or	n: -	By:
	Sample(s) processed "as is".			
	Sample(s) on hold until:		_ [	f released, notify:
	natrol Supervisor Review: (or designate) Inc.	m.lt.l	_ r	Date: 8-23-96



Project: 550.165

Category : TCLP Mercury Matrix : SOLID

Client ID: B0J068

Sample Date : 08/16/96 Receipt Date : 08/19/96 Report Date : 08/30/96

Quanterra ID : 11872-001

Analyte	Hethod	Extract Date	Prep Date	Analyses Date	Result U	nits	Qual.	Detection R Limit	egulatory Level	Dilution
Hercury	EPA 7470	08/28/96	08/29/96	08/29/96	0.00010	MG/L	υ	0.00020	0.20	1



Project: 550.165

Category : TCLP Mercury Matrix : SOLID

Client ID: B0J068

Sample Date : 08/16/96 Receipt Date : 08/19/96 Report Date : 08/30/96

Quanterra ID : 11872-001KS

		Extract	Prep	Analyses			-	Detection	Regulator	
Analyte	Kethod	Date	Date	Date	Result	Units	Quel.	Limit	Level	Dilution
Hercury	EPA 7470	08/28/96	08/29/96	08/29/96	92	XREC		<u> </u>		1

Project: 550.165

Category : TCLP Mercury Matrix : SOLID

Client ID: B0J068

Sample Date : 08/16/96 Receipt Date : 08/19/96 Report Date : 08/30/96

Quanterra ID : 11872-001MSD

Analyte	Hethod	Extract Date	Prep Date	Anelyses Date	Result	Units	Quet.	Detection Limit	Regulatory Level	Dilution
Hercury	EPA 7470	08/28/96	08/29/96	08/29/96	91	XREC				1

Services

Quanterre-Richland 3350 George Washington Way Richland, WA 99352

Project: 550.165

Category : TCLP Mercury Matrix : SOLID

Client ID: 80J069

Sample Date : 08/16/96 Receipt Date : 08/19/96 Report Date : 09/03/96

Quanterra ID : 11872-002

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result L	Jnits .	Quei.		Regulatory Level	Dilution
Kercury	EPA 7470	08/28/96	08/29/96	08/29/96	0.00010	MG/L	U	0.00020	0.20	1

## U.S. EPA - CLP

# 1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

				-	В0J06	8		
			Contract: 55					
Lab Code: ITMO_	Case No	o.:	SAS No.: SDG No.: W01125					
Matrix (soil/wa	ater): WATE	3.	1	Lab Sample	ID: P11	872-001		
Level (low/med)	: LOW_	<del></del>	1	Date Recei	ved: 08/	19/96		
Solids:	0.0	0			ą.			
Cor	ncentration	Units (ug	/L or mg/kg dry	y weight):	UG/L_			
	CAS No.	Analyte	Concentration	C Q	м			
	7439-97-6	Mercury_	0.10	<u></u>	₹			
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Comments:								
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## U.S. EPA - CLP

# 1 EPA SAMPLE NO. INORGANIC ANALYSES DATA SHEET

Lab Name: QUANTERRA_MO		Contract: 550.165		В0J069
Lab Code: ITMO Case No	o.:	SAS No.:	SDG	No.: W01125
Matrix (soil/water): WATER		Lab Sample ID: P11872-002		
Level (low/med): LOW		Date Received: 08/19/96		
% Solids:0.0	)			
Concentration Units (ug/L or mg/kg dry weight): UG/L_				
CAS No.	Analyte	Concentration	c Q	M
7439-97-6	Mercury	0.10	<u></u>	€V
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